

Government to Government Consultation with Confederated Tribes of Grand Ronde  
July 19, 2016  
Portland Harbor Superfund Site Proposed Plan

Consultation was held at the Grand Ronde Tribal Headquarters

Notes prepared by Cami Grandinetti

Attendees representing Grand Ronde:

Brenda Tuomi  
Tonya Gleason-Shepek  
Jack Giffen  
Reynold Leno  
Jon George  
Cheryle Kennedy  
Chris Mercier  
Brandy Humphries  
Rob Greene  
Holly Partridge  
Denise Harvey

Attendees representing EPA:

Jim Woods  
Jim Woolford  
Dennis McLerran  
Sean Sheldrake  
Cami Grandinetti

Dennis –  
Overview of where we are in process  
Site Review – powerpoint

GR -

- Treaty rights concern – educational push on Treaty coverage versus U and A
- Concern about future sources – ensure water quality or other sources don't recontaminate
- Question about what consumption rates were used
- Question about long term effectiveness of caps
- Question about disasters – flood, earthquake
- What are the goals of NRRB.CSTAG /review – what do they do the review for?
- How are green remediation/cleanup techniques considered
- Without a model, how do you know MNR will work?
- Would like to move forward – no delays

Please include:

- Strengthen EPA's role with states,
- Proceed with plan – somewhat acceptable,
- Finish and monitor ongoing progress,
- Improve water quality,

- Improve ability to gather medicinal/health/cultural resources,
- Elevate fish consumption rate,
- Include Grand Ronde as primary Tribe with treaty
- Evaluate water quality
- Zero tolerance for alternative methods that are based on cost analysis
- State clearly what it will take to fix problem
- Continued involvement with Tribes
- Discuss model and its application – is one going to be useful or not
- Run out of time – concerned that need more time
- Original stewards of land is Native Americans
- Seriously look at comments from staff. G is better than I. Please answer questions on fish consumption. Wapato, basket materials, methods involve putting materials in their mouth – include in risk analysis.
- Answer is heartfelt than political. Did not hear expression of concern that the river is impacted.
- Make this more personal.

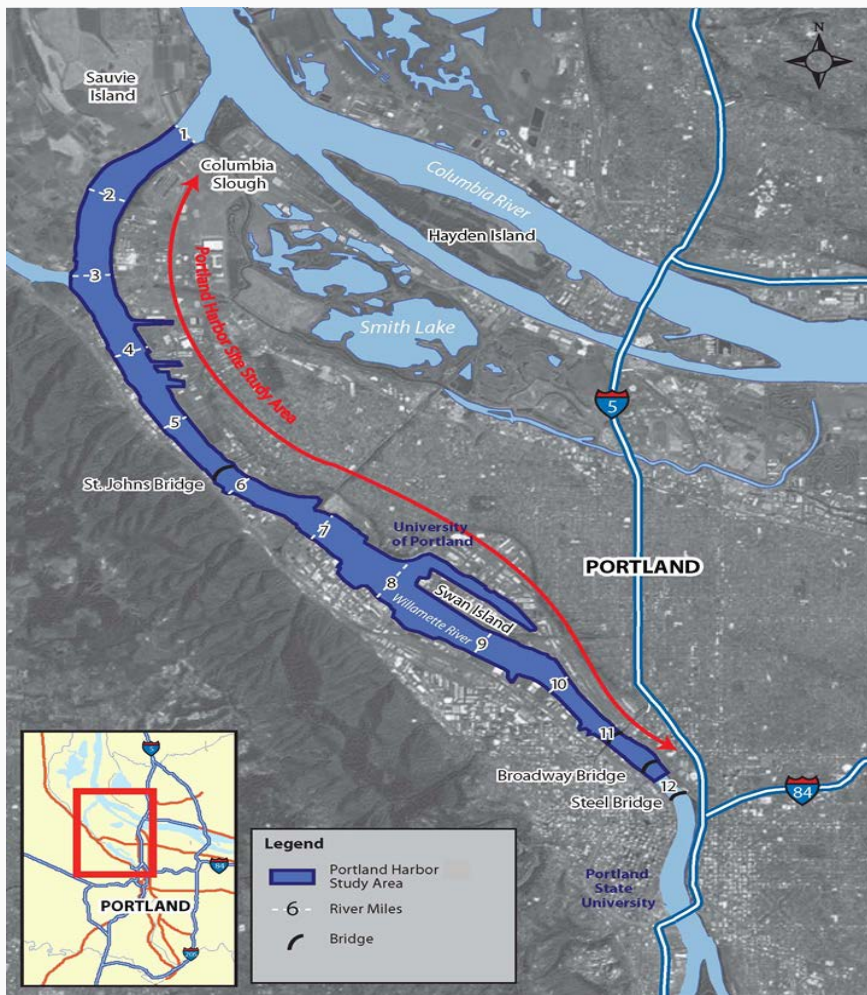
# Tribal Consultation

## Portland Harbor Superfund Site



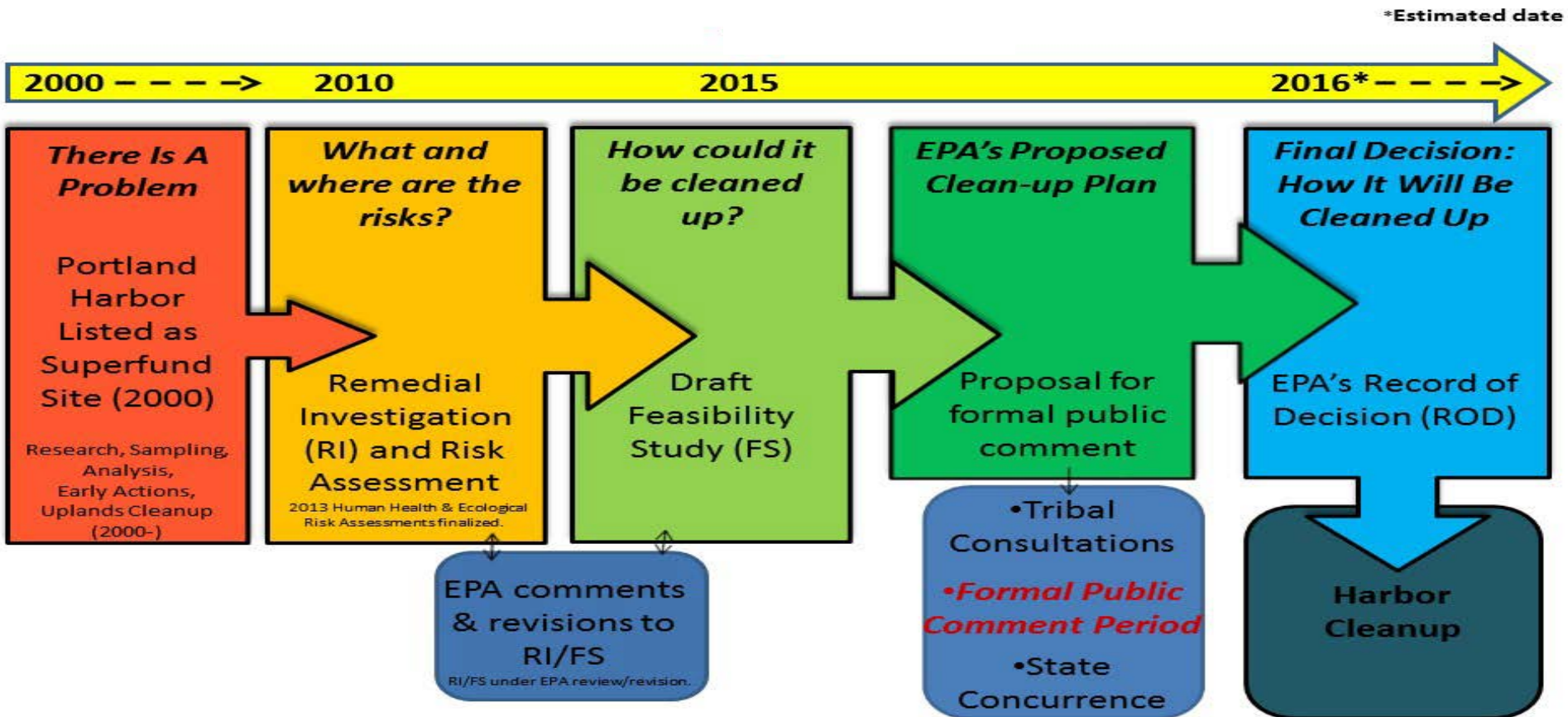
Photo by Elizabeth Allen

# Lower Willamette River



- Treaty resources
- Tribal fishing and historical ceremonial practices
- Aquatic habitat (salmon and lamprey)
- Industry
- Recreational uses
- Fishing for sustenance
- Shipping and navigation

# Key Milestones



**Tribal involvement at each of these steps**



## **Tribes working with EPA**

- **Tribes formally petitioned EPA to list the site.**
- **Tribes have been funded to provide technical oversight and input to the process**
- **EPA has been coordinating with 6 Tribes at technical levels and at these more formal Tribal consultations**



## Basis for Action

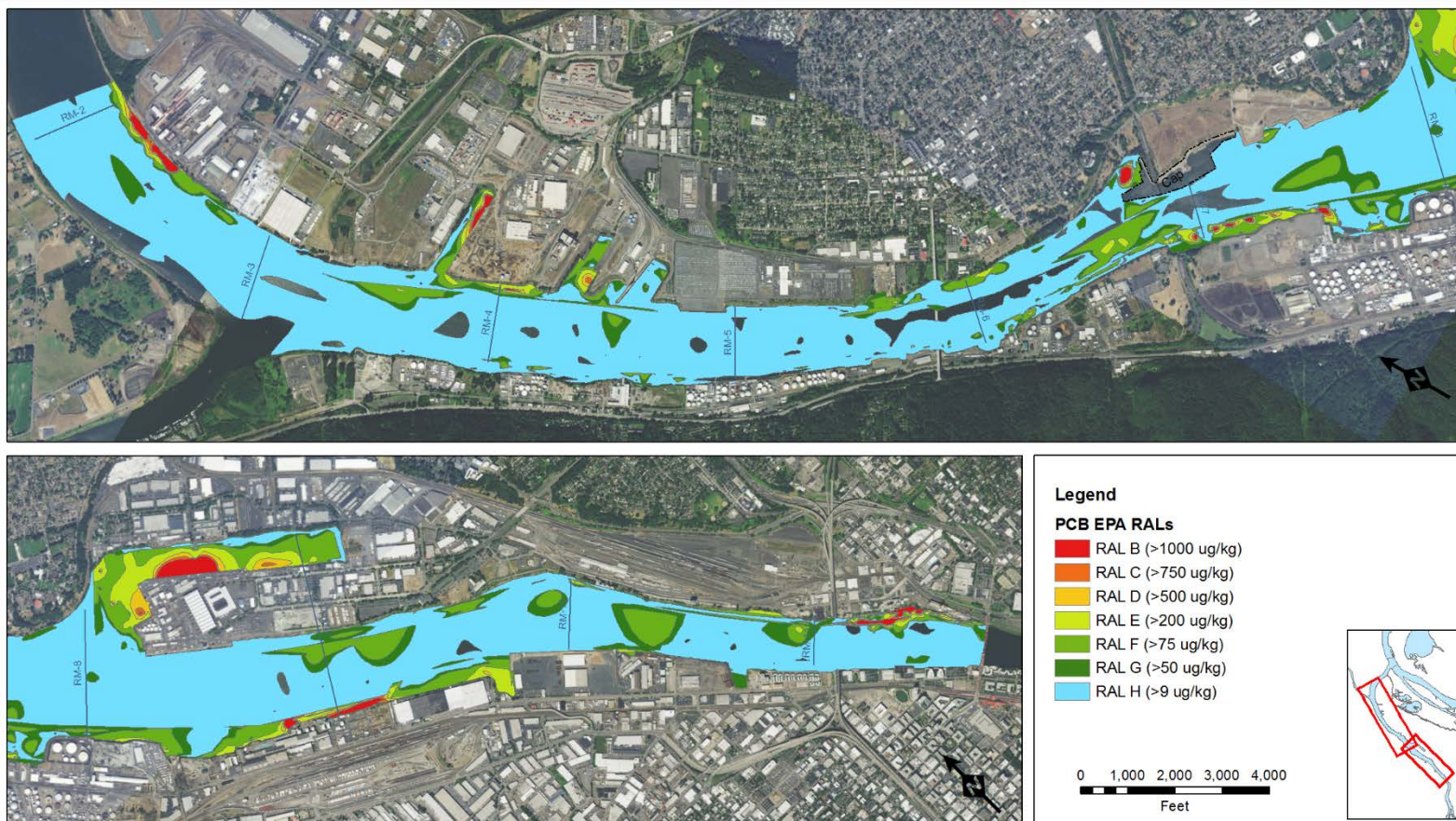
- Unacceptable risk to human health
  - Most exposure/risk – fish consumption
- Unacceptable risk to ecological receptors
  - Focus on Ecological Significance
  - Most risk to birds, fish, and mammals – fish consumption
  - Benthic risk – primarily groundwater, pesticides and metals



# Focused Contaminants of Concern

- Chemical Contaminants
  - PCBs
  - Polyaromatic Hydrocarbons
  - The pesticide DDT, its by-products
  - Dioxins/Furans
- Most widespread
- Most associated risk
- Addresses other contaminants

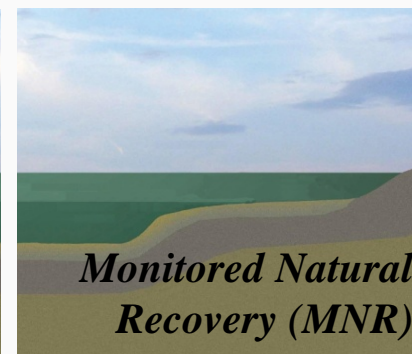
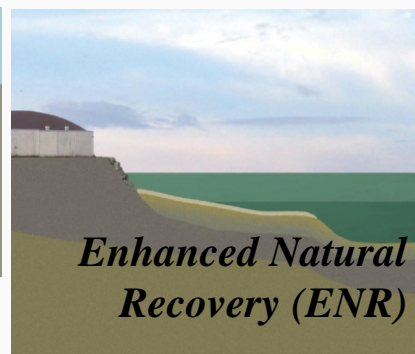
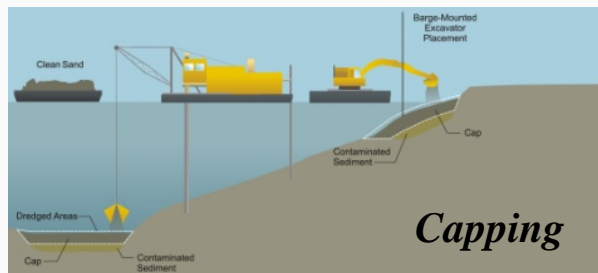
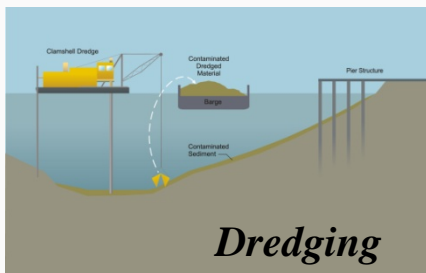
# Example of Contaminant Distribution





# ALL CLEANUP ALTERNATIVES

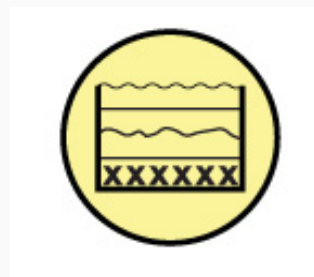
Are Different Combinations of:



Removal

Containment

Natural Recovery



# Summary of Cleanup Alternatives



Alt	Dredge Volume	Dredge Areas	Dredge/Cap Areas	Cap Areas	In-Situ Areas	ENR	MNR	Construction Timeframe	Cost
	(Cu Yd)	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)	(Acres)	(Years)	(\$M)
B	659,000	72	6	23	7	100	1,966	4	451
C	790,000	87	6	30	5	97	1,948	5	497
D	1,226,000	132	11	45	3	87	1,900	6	654
E	2,204,000	204	15	66	0	60	1,838	7	804
									870
F	5,100,000	387	32	118	0	28	1,634	13	1,317
									1,371
G	8,294,000	572	47	185	0	20	1,391	19	1,731
									1,777
H	33,487,000	1632	106	535	0	0	0	62	9,446
									9,525

## Preferred Alternative

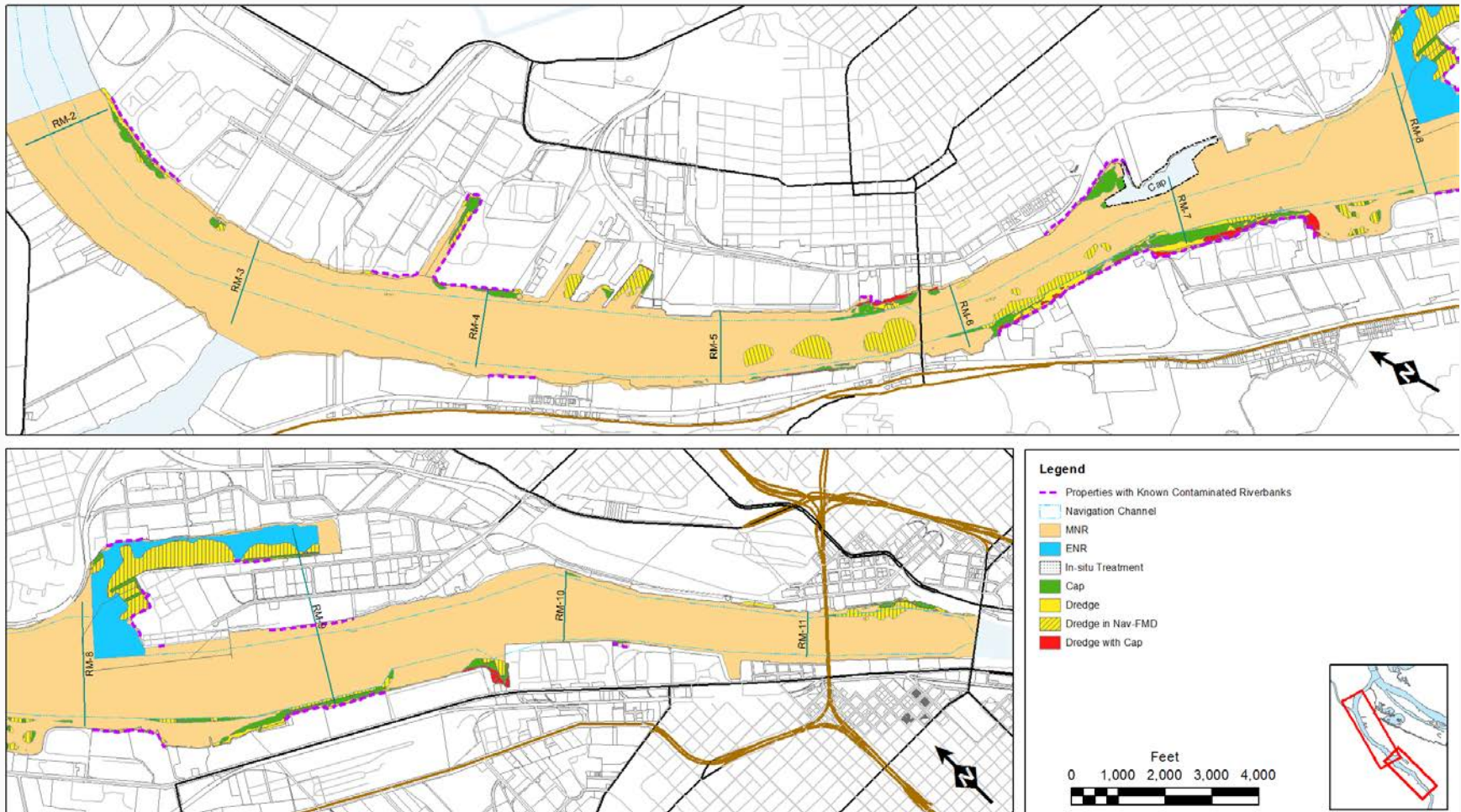
I	1,855,000	167	17	64	0	60	1,876	7	746
									811



## Proposed Cleanup by the Numbers

Dredge or cap	Approx. 250 acres of river sediment 19472 lineal feet of river bank
Enhanced Natural Recovery	60 acres
Monitored Natural Recovery	1876 acres
Years of Construction Activities	7
Years of Monitored Natural Recovery	23
Cost	\$746 million \$811 million

# Preferred Alternative





# Some Outcomes of Proposed Cleanup

- Active remediation for the most mobile, toxic waste
- Wildlife protected at end of construction
- Control contamination from riverbanks
- Allow most people to eat more fish
- Minimize river use restrictions (caps)
- Repair impacted habitat



## Projected Timeline

End public comment period	September 6, 2016
Respond to comments and deliberate	September – December, 2016
Record of Decision	December 31, 2016
Begin negotiations with Potentially Responsible Parties	January 2017
Begin active sampling, design and cleanup	2017 and beyond

## DRAFT AGENDA and ATTENDEES

Portland Harbor Superfund Site Government to Government Consultation  
The Confederated Tribes of Grand Ronde and  
United States Environmental Protection Agency

Tuesday July 19, 2016, 10:00 am  
9615 Grand Ronde Rd, Grand Ronde, OR 97347

- Welcome and Introductions
- Chronology and Background of the Portland Harbor Superfund Site
- Overview of collaboration between EPA and the Tribe to date
- Description and rationale for the proposed alternative
- Tribal Input and Open Dialogue
- Next Steps

### EPA ATTENDEES:

Dennis McLerran, Regional Administrator

Jim Woolford, Director, EPA Office of Superfund Remediation and Technology Innovation

Jim Woods, Senior Tribal Policy Advisor

Cami Grandinetti, Manager, Remedial Cleanup Program

Sean Sheldrake, Remedial Project Manager